

(19) World Intellectual Property Organization
International Bureau

PCT

(43) International Publication Date
29 December 2004 (29.12.2004)(10) International Publication Number:
WO 2004/113326 A1(51) International Patent Classification⁷: **C07D 405/12**,
A61K 31/4045, A61P 25/00(DE) LEIBROCK, Joa-chim [DE/DE]; Mühlstrasse 91a,
64319 Pfungstadt (DE). SEYFRIED, Christoph,
[DE/DE]; Mathildenstrasse 6, 64342 Seeheim-Jugenheim
(DE).

(21) International Application Number: PCT/EP2004/005547

(74) Common Representative: MERCK PATENT GMBH;
Frankfurter Strasse 250, 64293 Darmstadt (DE).

(22) International Filing Date: 24 May 2004 (24.05.2004)

(81) Designated states (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES,
FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZW.

(25) Filing Language: German

(26) Publication Language: German

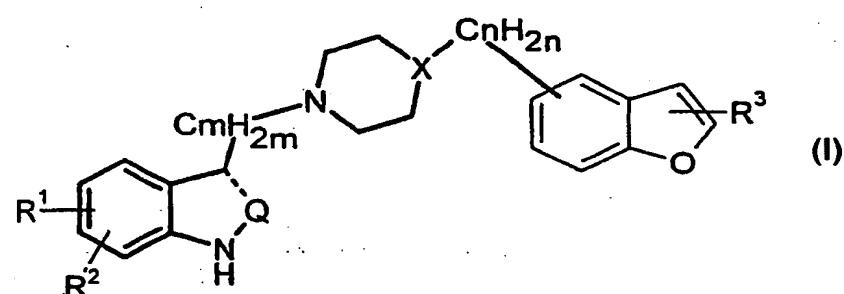
(30) Priority Data:
103 26 939.8 16 June 2003 (16.06.2003) DE(84) Designated states (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).(71) Applicant (for all designated States except US): MERCK
PATENT GMBH [DE/DE]; Frankfurter Strasse 250, 64293
Darmstadt (DE).

Published:

— with international search report

[continued overleaf]

(54) Title: INDOLE DERIVATIVES AS SEROTONIN REUPTAKE INHIBITORS



tor

(57) Abstract: Compounds of the formula (I), the use thereof for the preparation of a medicament for the treatment of diseases associated with the serotonin receptor and/or serotonin reuptake, in particular for the preparation of a medicament as anxiolytic, antidepressant, neuroleptic and/or antihypertonic and/or for positively influencing obsessive-compulsive disorder (OCD), sleeping disorders, tardive dyskinesia, learning disorders, age-dependent memory disorders, eating disorders, such as bulimia, and/or sexual dysfunctions. The compounds bind to the 5-HT_{1A} recep-

WO 2004/113326 A1

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.